


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒**APPLICATION FOR PERMIT TO DRILL**

<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>1. WELL NAME and NUMBER</b> Moon 1-20-4-2		
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO				<b>3. FIELD OR WILDCAT</b> UNDESIGNATED		
<b>6. NAME OF OPERATOR</b> HARVEST (US) HOLDINGS, INC				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>8. ADDRESS OF OPERATOR</b> 1177 Enclave Parkway, Houston, TX, 77077				<b>7. OPERATOR PHONE</b> 281 899-5722		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Fee		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		<b>9. OPERATOR E-MAIL</b> jmckee@harvestnr.com		
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Todd Moon & Dennis Moon		
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435.823.6295				<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> RR 3, Box 3622, ,		
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>				<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	806 FSL 471 FWL	SWSW	20	4.0 S	2.0 W	U
<b>Top of Uppermost Producing Zone</b>	806 FSL 471 FWL	SWSW	20	4.0 S	2.0 W	U
<b>At Total Depth</b>	806 FSL 471 FWL	SWSW	20	4.0 S	2.0 W	U
<b>21. COUNTY</b> DUCHESNE		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 471		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1700		<b>26. PROPOSED DEPTH</b> MD: 6600 TVD: 6600		
<b>27. ELEVATION - GROUND LEVEL</b> 5453		<b>28. BOND NUMBER</b> B004657		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Neil Moon Pond		

**ATTACHMENTS****VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
<b>NAME</b> Terry Hoffman	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b>	<b>DATE</b> 12/29/2008
<b>PHONE</b> 303 250-0619	<b>EMAIL</b> tlhoffman@q.com
<b>API NUMBER ASSIGNED</b> 43013500080000	<b>APPROVAL</b>  Permit Manager

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	600		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	600	24.0			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6600		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6600	15.5			

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December 4, 2008

Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

RE: Designation of Agent

To Whom It May Concern:

By this letter, Harvest (US) Holdings, Inc. hereby authorizes Terry L. Hoffman with Rocky Mountain Permitting, LLC to act as Agent on behalf of Harvest (US) Holdings, Inc. within the State of Utah. Rocky Mountain Permitting, LLC is authorized to enter into agreements on behalf of Harvest (US) Holdings, Inc. with Federal, State and Local agencies and they shall have the ability to deliver and receive proprietary information for Harvest (US) Holdings, Inc.

If you have any questions or concerns, please feel free to contact myself Joe Schmid at 435.725.1901, or via email at [jschmid@harvestnr.com](mailto:jschmid@harvestnr.com).

I thank you in advance for your cooperation.

Sincerely yours,

HARVEST (US) HOLDINGS, INC.

Joe Schmid  
Uintah Drilling & Production Superintendant

cc: Joe Schmid  
Rocky Mountain Permitting

## MEMORANDUM OF SURFACE DAMAGE RELEASE

State of Utah )  
 )  
County of Duchesne )

For Ten Dollars (\$10.00) and other adequate consideration, **Todd Rumund Moon and Dennis Russell Mann of RR 3 Box 3622, Myton, UT 84052-9732**, hereafter referred to as "Surface Owner" has granted, a Surface Damage Release, to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077**, hereafter referred to as "Harvest", dated **November 29, 2008** for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Oil & Gas Well on the following lands (the "Lands") in Duchesne County Utah:

**Section 20 and Section 29, Township 4 South-Range 2 West, USM, Duchesne County.**  
See attached Plat for well locations:

<u>Plot well #</u>	<u>Well Name</u>	<u>Location</u>
1	Moon #1-29-4-2	Center 1 or 4 (SWNW) Section 29
3	Moon #3-29-4-2	Center NWNW Section 29
5	Moon #1-20-4-2	Center SWSW Section 20
7	Moon #3-20-4-2	Center NWSW Section 20

The Surface Damage Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Damage Release.

SURFACE OWNER:

Todd Rummel Moon

Dennis Russell Moon  
Dennis Russell Moon

## ACKNOWLEDGEMENT


STATE OF CAH )  
COUNTY OF Duchess }

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 28<sup>th</sup> day of November, 2008, personally appeared **Todd Rumold Moon and Dennis Russell Moon**, both to me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

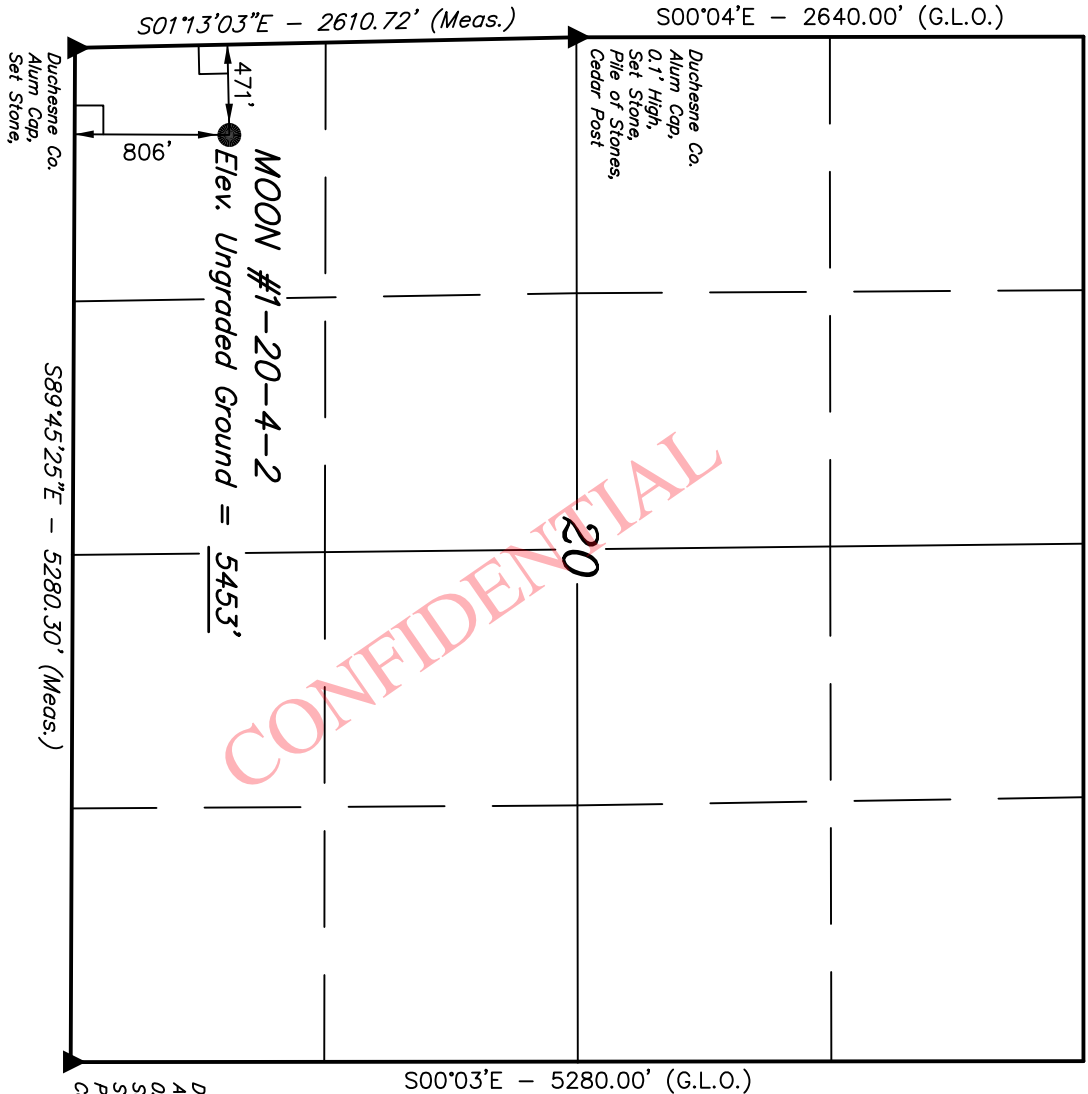
My Commission Expires: 10/20/2012

*[Signature]*  
Notary Public

 **STEPHEN POTTER**  
NOTARY PUBLIC - STATE OF UTAH  
COMMISSION # 876405  
COMM. EXP. 10/20/2012

T4S, R2W, U.S.B.&M.

WEST - 5299.80' (G.L.O.)



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HARVEST (US) HOLDINGS, INC.

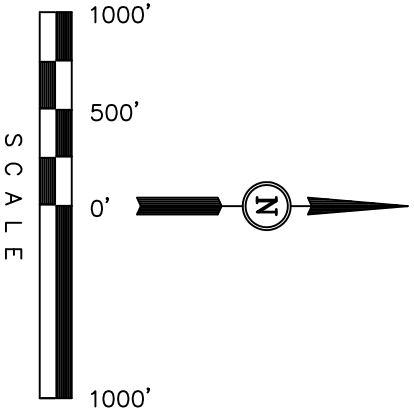
Well location, MOON #1-20-4-2, located as shown in the SW 1/4 SW 1/4 of Section 20, T4S, R2W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK US2 LOCATED IN THE SW 1/4 OF SECTION 29, T4S, R2W, U.S.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHEсне COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5508 FEET.

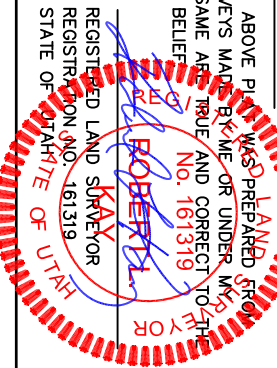
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 11-11-08

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	10-08-08	DATE DRAWN:	10-20-08
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PARTY	B.B. K.D. L.K.	REFERENCES	G.L.O. PLAT
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WEATHER	COOL	FILE	HARVEST (US) HOLDINGS, INC.
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LEGEND:

- = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
- (NAD 83)  
LATITUDE = 40°06'55.65" (40.115458)  
LONGITUDE = 110°08'27.47" (110.140964)  
(NAD 27)  
LATITUDE = 40°06'55.79" (40.115497)  
LONGITUDE = 110°08'24.92" (110.140256)

HARVEST (US) HOLDINGS, INC.  
MOON #1-20-4-2  
SW ¼ SW ¼ SECTION 20, T4S, R2W, U.S.B. & M.  
DUCHESNE COUNTY, UTAH

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

UINTA 0' – 2,750'  
GREEN RIVER 2,750'  
TD 6,600'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 2,750' – 6,600'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal BLM Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal BLM Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff of the Vernal BLM Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (mg/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (HCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

#### 4. PROPOSED CASING PROGRAM

##### a. Casing Design: Moon #1-20-4-2

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface Casing 8-5/8"	0'	600'	24.0	J-55	STC	2,950 psi 17.53 SF	1,370 psi 14.35 SF	244,000 lbf 33.89 SF
Prod. Casing 5-1/2"	0'	6,600'	15.5	J-55	LTC	4,810 psi 2.29 SF	4,040 psi 1.92 SF	217,000 lbf 2.12 SF

Assumptions:

- 1) Surface casing Maximum Allowable Surface Pressure (MASP) = Fracture gradient - Gas gradient
- 2) Production casing MASP (production mode) = Pore pressure - gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Fracture gradient at surface casing shoe = 13.0 ppg  
Pore pressure at surface casing shoe = 8.33 ppg  
Pore pressure at production casing shoe = 8.33 ppg  
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.

##### b. Cementing Design: Moon #1-20-4-2

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	600'	Class G w/ 2% CaCl	276	30%	15.8	1.17
			322			
Prod. casing Lead	4,600'	Prem Lite II w/ 10% gel + 3% KCl	318	30%	11.0	3.26
			1036			
Prod. casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

\*Actual volume pumped will be 15% over the caliper log.

-Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours.

-Compressive strength of tail cement: 2500 psi @ 24 hours

Waiting on Cement (WOC): A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall, in all cases, be cemented back to surface. In the event that during the primary surface cementing operation, the cement does not circulate to surface, or



if the cement level should fall back more than 8' from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200' above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports of Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

## **5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL**

The Company's minimum specifications for pressure control equipment for a standard Green River well are as follows:

The Bottom Hole Pressure for the Green River (Moon) wells is anticipated at 2859 psi at 6,600'.

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and either an annular preventer or a rotating head. If no annular preventer is used, ram blocks will be changed to match the outside diameter of casing and the stack will be retested prior to running any casing string.

Connections – All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

Choke Manifold – The minimum equipment requirements are shown below. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

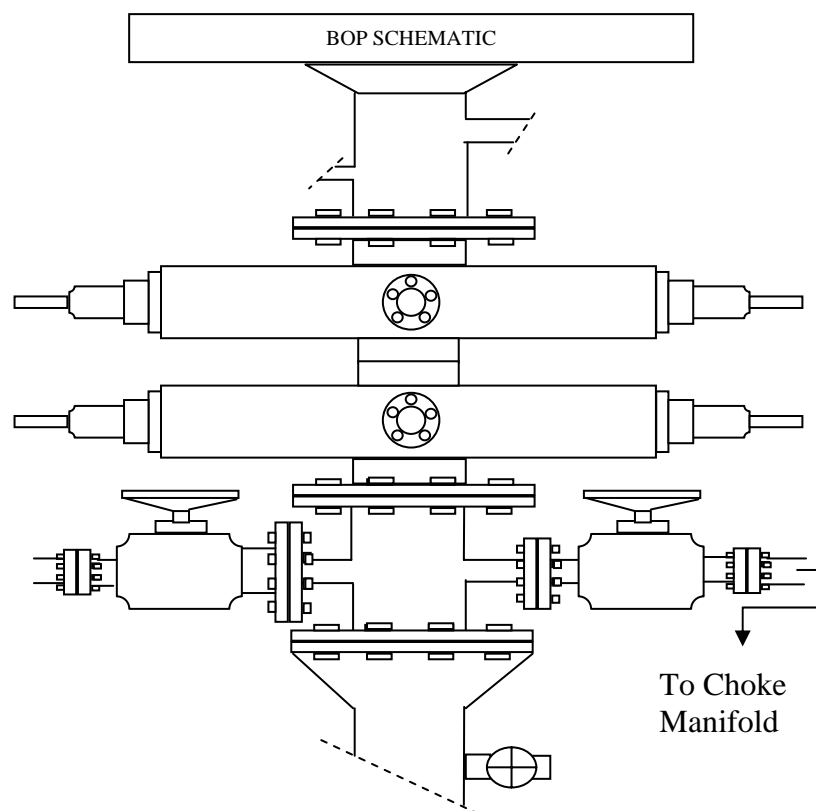
Pressure Monitoring – A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Drill String Control Devices – An upper and lower Kelly valve, drill string safety valve, including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drill string valves shall be rated to the required BOP working pressure.

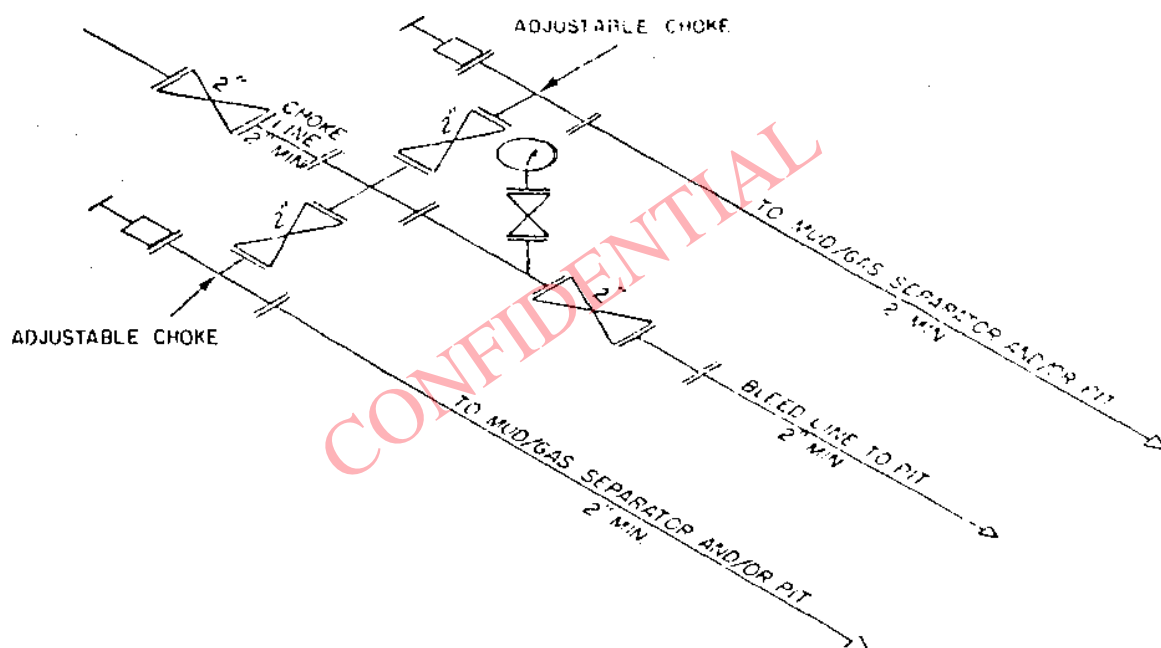
The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2000 psi system, and individual components shall be operable as designed.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Daily report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.



# 2000 psi Choke Manifold



HARVEST (US) HOLDINGS, INC.  
MOON #1-20-4-2  
SW ¼ SW ¼ SECTION 20, T4S, R2W, U.S.B. & M.  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS:**

- a. See attached **Topographic Map "A"**
- b. To reach Harvest (US) Holdings well location site Moon #1-20-4-2, located in the SW ¼ SW ¼ Section 20, T4S, R2W, U.S.B. & M., Duchesne County, Utah:
  - i. Proceed southwest of Myton, Utah on Highway 40 for ~1.5 miles to the junction of Utah State Highway 53. Turn left and proceed along Highway 53 for ~1.7 miles to a junction of an existing road that angles to the southwest, as Highway 53 continues due south. Follow road 3.6 miles to junction of the location access road. Turn right for 0.6 miles to the Moon #1-20-4-2 location.
  - ii. All roads constructed by Harvest (US) Holdings, Inc. shall be constructed from existing native materials that are prevalent to the area. Such materials range from clays to sandy-clay-shale material.
  - iii. All roads for access during the drilling, completion and production phases shall be maintained according to standards required by the State of Utah, and/or other controlling agencies. Maintenance may include, but not be limited to, smoothing of road surfaces and snow removal. Any necessary fill material for repairs will be purchased and hauled from private sources.

2. **PLANNED ACCESS ROAD:**

- a. Approximately 0.6 mile of access road is required. See attached **Topographic Map "B"**.
- b. The access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along both sides of the road, if it is deemed necessary to handle run-off from normal meteorological conditions that are prevalent to the area. The maximum grade will be less than 8%.
- c. No culverts will be required along the access road. There will be barrow ditches and turn-outs as needed.
- d. The access road will cross one (1) existing fence and no existing cattle guards, and no new fences or cattle guards will be required.
- e. All construction material for the access road will be borrowed material accumulated during the construction of the access road.

3. **LOCATION OF EXISTING WELLS:**

- a. Harvest (US) Holdings has no existing wells in Utah.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:**

- a. There are no existing facilities that will be used by this well.
- b. It is anticipated that this well will be a producing oil well.

- c. The well pad will be enclosed by a dike of sufficient capacity to contain a minimum of 110% of the largest tank volume within the facility battery.
- d. Tank batteries will be built to State of Utah specifications.
- e. All permanent (on site for six [6] months or longer) structures constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rock Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

**5. LOCATION AND TYPE OF WATER SUPPLY:**

- a. Harvest (US) Holdings, Inc. will transport water by truck for drilling purposes from one or more of the following water sources:
  - i. Johnson Water District  
Water Right: 43-10136
  - ii. Neil Moon Pond  
Water Right: 43-11787
  - iii. Maurice Harvey Pond  
Water Right: 47-1358
- b. There will be no water well drilled at this site.

**6. SOURCE OF CONSTRUCTION MATERIALS:**

- a. All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.
- b. A mineral material application is not required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL:**

- a. A small reserve pit (no larger than 90' x 40' x 8' deep) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of operations, will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, or any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit, there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through seepage.
- b. Harvest requests waiver of a requirement for a flare pit for this location.
- c. A portable toilet will be provided for human waste.
- d. A trash basket will be provided for garbage and hauled away to an approved disposal site upon completion of drilling activities.
- e. When production commences, all produced water will be confined to a steel storage tank. All produced water will be transported to a surface disposal facility approved by the State of Utah.

**8. ANCILLARY FACILITIES:**

There are no ancillary facilities planned.

**9. WELL SITE LAYOUT:**

See attached "Location Layout", Figure 1.

**Fencing Requirements**

**All pits will be fenced according to the following minimum standards:**

- a. A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b. The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c. Corner posts shall be centered and/or braced in such a manner to held the wire taut at all times.
- d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- f. The reserve pit fencing will be on three (3) sides during drilling operations, and extended to enclose the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.
- g. Existing fences, if any exist, to be crossed by the access road will be braced and tied off before cutting to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

**10. PLANS FOR RESTORATION OF SURFACE:**

**a. Producing Location**

- i. As soon as practical after well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and other materials and equipment not required for production.
- ii. The reserve pit and that portion of the location not needed for production facilities and operations will be re-contoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days of completion. Before any dirt work takes place, the reserve pit shall have all fluids and hydrocarbons removed.

**b. Dry Hole Abandoned Location**

- i. When well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP: INFORMATION TO BE FILLED IN BY LAND DEPT.**

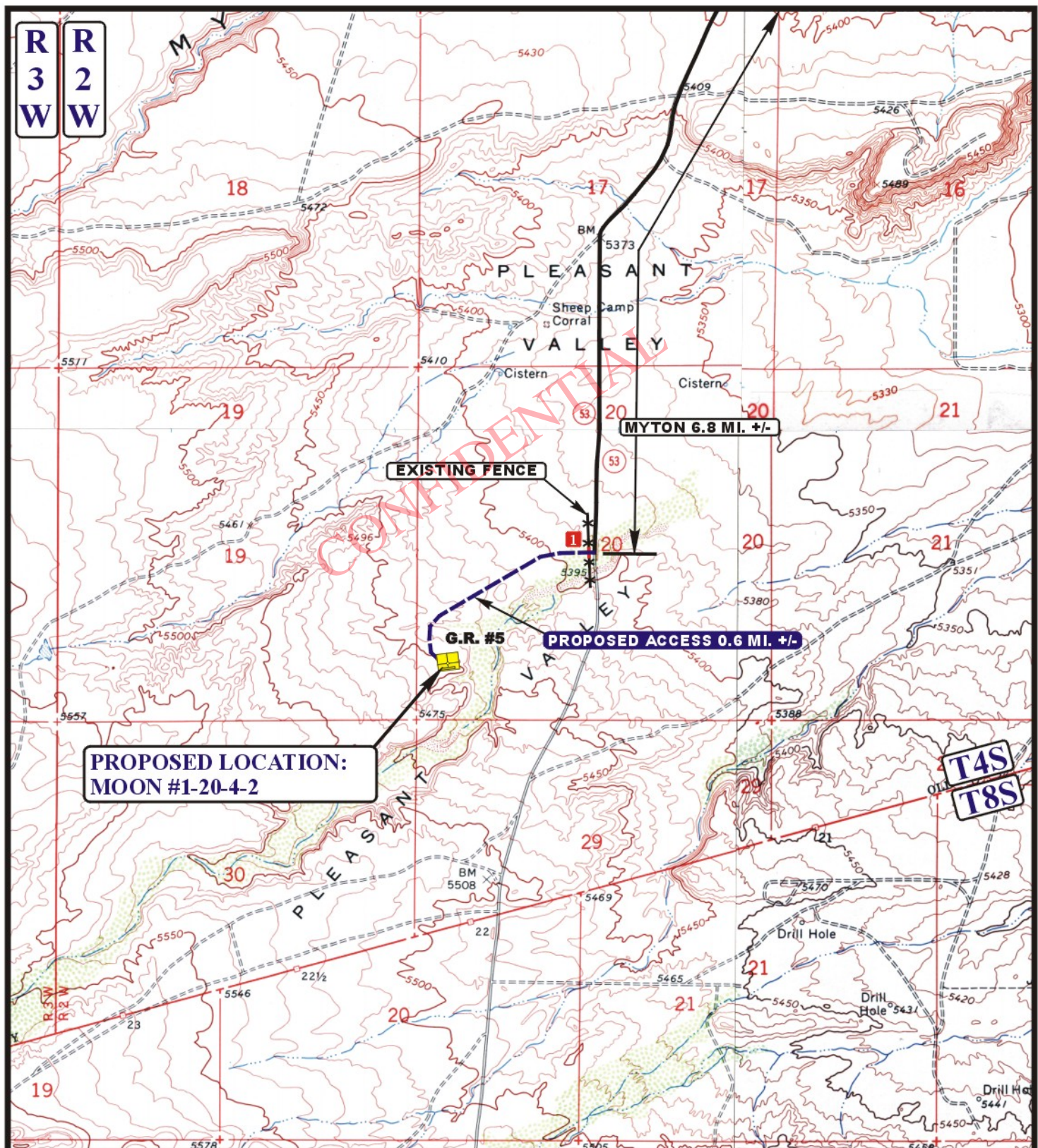
**12. ADDITIONAL INFORMATION:**

- a. Right of Way for proposed gas pipelines (SEE PAGE 11 OF 12, ITEM 12. IN NEWFIELD PROGRAM)

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION: (SEE PAGE 12 OF 12 IN NEWFIELD PROGRAM)

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**LEGEND:**

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD
- \* \* \* \* \* EXISTING FENCE
- 1 CATTLE GUARD REQUIRED

**HARVEST (US) HOLDINGS, INC.**

**MOON #1-20-4-2**

**SECTION 20, T4S, R2W, U.S.B.&M.**

**806' FSL 471' FWL**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC  
MAP**

**10 20 08**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 11-11-08





API Number: 4301350008

Well Name: Moon 1-20-4-2

Township 04.0 S Range 02.0 W Section 20

Meridian: UBM

Operator: HARVEST (US) HOLDINGS, INC

Map Prepared:  
Map Produced by Diana Mason

Units

STATUS

ACTIVE

EXPLORATORY

GAS STORAGE

NF PP OIL

NF SECONDARY

PI OIL

PP GAS

PP GEOTHERML

PP OIL

SECONDARY

TERMINATED

Fields

STATUS

ACTIVE

COMBINED

Sections

Township

Wells Query Events

<all other values>

GIS\_STAT\_TYPE

<Null>

APD

DRL

GI

GS

LA

NEW

OPS

PA

PGW

POW

RET

SGW

SOW

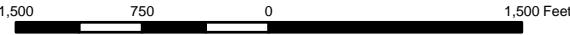
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TW

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WS



1:13,661

Well Name	HARVEST (US) HOLDINGS, INC Moon 1-20-4-2 43013500080000			
String	Surf	Prod		
Casing Size(in)	8.625	5.500		
Setting Depth (TVD)	600	6600		
Previous Shoe Setting Depth (TVD)	0	600		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2858	8.3		

Calculations	Surf String	8.625	"
Max BPH (psi)	.052*Setting Depth*MW=	259	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	187	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	127	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	127	NO Reasonable Depth
Required Casing/BOPE Test Pressure=		600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

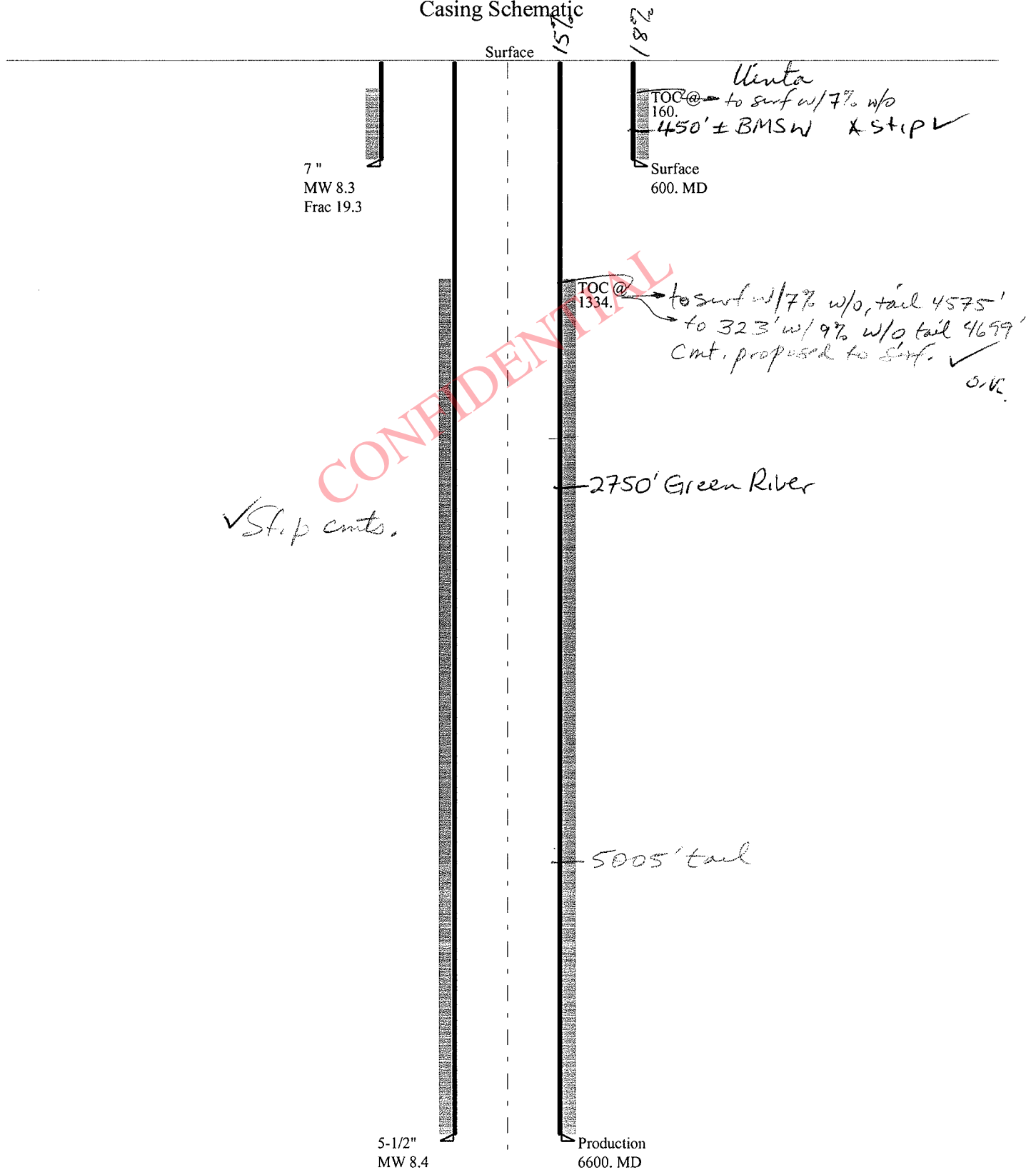
Calculations	Prod String	5.500	"
Max BPH (psi)	.052*Setting Depth*MW=	2883	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2091	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1431	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1563	NO Reasonable
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43013500080000 Moon 1-20-4-2

Casing Schematic



Well name:	<b>43013500080000 Moon 1-20-4-2</b>		
Operator:	<b>HARVEST (US) HOLDINGS, INC</b>		
String type:	Surface	Project ID:	43-013-50008
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 82 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 160 ft

**Burst**

Max anticipated surface pressure: 528 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 600 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 525 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 6,600 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,880 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 600 ft  
Injection pressure: 600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	8.625	24.00	J-55	ST&C	600	600	7.972	3089

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	259	1370	5.296	600	2950	4.92	14.4	244	16.94 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil,Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: March 2,2009  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013500080000 Moon 1-20-4-2</b>		
Operator:	<b>HARVEST (US) HOLDINGS, INC</b>		
String type:	Production	Project ID:	43-013-50008
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: 1,334 ft

**Burst**

Max anticipated surface pressure: 1,428 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,880 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on air weight.  
Neutral point: 5,761 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6600	5.5	15.50	J-55	LT&C	6600	6600	4.825	23304

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2880	4040	1.403	2880	4810	1.67	102.3	217	2.12 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil,Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: March 2,2009  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6600 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



**ON-SITE PREDRILL EVALUATION****Utah Division of Oil, Gas and Mining**

**Operator** HARVEST (US) HOLDINGS, INC  
**Well Name** Moon 1-20-4-2  
**API Number** 43013500080000 **APD No** 1235 **Field/Unit** UNDESIGNATED  
**Location: 1/4,1/4** SWSW **Sec** 20 **Tw** 4.0S **Rng** 2.0W 806 FSL 471 FWL  
**GPS Coord (UTM)** 573261 4440721 **Surface Owner** Todd Moon & Dennis Moon

**Participants**

Floyd Bartlett (DOGM), Joseph Schmid (Harvest Holdings Drilling/ Production Superintendent) and Terry Hoffman (Rocky Mountain Permitting, LLC; Agent for Harvest Holdings, INC)

**Regional/Local Setting & Topography**

Amended 10/21/2009. Changed to use an open-loop mud circulation system with a reserve pit.

The general area is approximately 7 road miles southwest of Myton, Duchesne County, UT in the middle Pleasant Valley Wash area. Pleasant Valley Wash is an ephemeral drainage, which joins Pariette Draw drainage. The drainage shows no signs of recent significant flows. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. The area is above the agricultural lands of Pleasant Valley. Broad flats intersected by swales with gentle to moderate side slopes characterize topography. Access is by State and County and planned oil field development roads. Approximately 0.6 mile of new construction extending from Nine Mile road across Moon's private land will be required to reach the location.

The proposed Moon 1-20-4-2 oil well location is located on a rounded rise at the end of a flat. A short drainage borders the location on the south. This drainage is a side draw of Pleasant Valley Wash. The location has a slight break-off on the northwest. No drainages intersect the location and no diversions are needed. A berm is planned around the edge of the pad. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Todd and Russell Moon own the surface of the location. The minerals are also privately owned. Mr. Russell Moon was invited to the pre-site visit but said he would not attend. A signed landowner agreement exists.

The well will be drilled using a closed loop mud circulating system. A 200' x 24' x 12' deep pit to bury the cuttings is planned along the south side of the location.

**Surface Use Plan****Current Surface Use**

Grazing  
Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.6	<b>Width</b> 250 <b>Length</b> 315	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?****Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

### Flora / Fauna

Vegetation on the area is a desert shrub type. Approximately 4 inches of snow covered most of the site. Part of the location is barren. Identifiable vegetation on the remainder included halogeton, greasewood, horsebrush, broom snakeweed, black sagebrush, cheatgrass, , Indian ricegrass, globe mallow, mat saltbrush, shadscale, curly mesquite, rabbit brush and spring annuals.

Antelope, deer, prairie dogs, small mammals and birds.

### Soil Type and Characteristics

Deep sandy gravely clay loam.

### Erosion Issues N

### Sedimentation Issues N

### Site Stability Issues N

### Drainage Diversion Required? N

### Berm Required? Y

### Erosion Sedimentation Control Required? N

Paleo Survey Run? Y    Paleo Potential Observed?    Cultural Survey Run? N    Cultural Resources?

### Reserve Pit

Site-Specific Factors	Site Ranking	
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
<b>Final Score</b>	<b>30</b>	1 Sensitivity Level

### Characteristics / Requirements

The well will be drilled using a closed loop mud circulating system. A 200' x 24' x 8' deep pit to bury the cuttings is planned along the south side of the location.

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

**Other Observations / Comments**

Amended APD (10-21-2009).

Floyd Bartlett  
**Evaluator**

1/15/2009  
**Date / Time**

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# Application for Permit to Drill

## Statement of Basis

10/29/2009

### Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
1235	43013500080000	LOCKED	OW	P	No
<b>Operator</b>	HARVEST (US) HOLDINGS, INC		<b>Surface Owner-APD</b>	Todd Moon & Dennis Moon	
<b>Well Name</b>	Moon 1-20-4-2		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWSW 20 4S 2W U 806 FSL 471 FWL GPS Coord (UTM) 573265E 4440713N				

#### Geologic Statement of Basis

Harvest proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 450'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to cover the estimated base of the moderately saline ground water.

Brad Hill  
**APD Evaluator**

1/22/2009  
**Date / Time**

#### Surface Statement of Basis

The general area is approximately 7 road miles southwest of Myton, Duchesne County, UT in the middle Pleasant Valley Wash area. Pleasant Valley Wash is an ephemeral drainage, which joins Pariette Draw drainage. The drainage shows no signs of recent significant flows. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. The area is above the agricultural lands of Pleasant Valley. Broad flats intersected by swales with gentle to moderate side slopes characterize topography. Access is by State and County and planned oil field development roads. Approximately 0.6 mile of new construction extending from Nine Mile road across Moon's private land will be required to reach the location.

The proposed Moon 1-20-4-2 oil well location is located on a rounded rise at the end of a flat. A short drainage borders the location on the south. This drainage is a side draw of Pleasant Valley Wash. The location has a slight break-off on the northwest. No drainages intersect the location and no diversions are needed. A berm is planned around the edge of the pad. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

Todd and Russell Moon own the surface of the location. The minerals are also privately owned. Mr. Russell Moon was invited to the pre-site visit but said he would not attend. A signed landowner agreement exists.

Floyd Bartlett  
**Onsite Evaluator**

1/15/2009  
**Date / Time**

#### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
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# **Application for Permit to Drill Statement of Basis**

10/29/2009

**Utah Division of Oil, Gas and Mining**

Page 2

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Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner as needed shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

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**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

**APD RECEIVED:** 12/29/2008

**API NO. ASSIGNED:** 43013500080000

**WELL NAME:** Moon 1-20-4-2

**OPERATOR:** HARVEST (US) HOLDINGS, INC (N3520)

**PHONE NUMBER:** 303 250-0619

**CONTACT:** Terry Hoffman

**PROPOSED LOCATION:** SWSW 20 040S 020W

**Permit Tech Review:** ☒

**SURFACE:** 0806 FSL 0471 FWL

**Engineering Review:** ☒

**BOTTOM:** 0806 FSL 0471 FWL

**Geology Review:** ☒

**COUNTY:** DUCHESNE

**LATITUDE:** 40.11543

**LONGITUDE:** -110.14026

**UTM SURF EASTINGS:** 573265.00

**NORTHINGS:** 4440713.00

**FIELD NAME:** UNDESIGNATED

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** Fee

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

☒ **PLAT**

☒ **Bond:** STATE/FEE - B004657

☐ **Potash**

☐ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** Neil Moon Pond

☐ **RDCC Review:**

☒ **Fee Surface Agreement**

☐ **Intent to Commingle**

**Commingle Approved**

**LOCATION AND SITING:**

☐ **R649-2-3.**

**Unit:**

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

**Board Cause No:** Cause 266-01

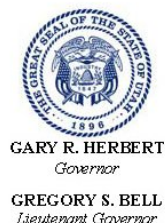
**Effective Date:** 5/5/2009

**Siting:** 460' fr drl u bdry & 920' fr other wells

☐ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
25 - Surface Casing - hmacdonald



# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Moon 1-20-4-2  
**API Well Number:** 43013500080000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 10/29/2009

### Issued to:

HARVEST (US) HOLDINGS, INC, 1177 Enclave Parkway, Houston, TX 77077

### Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 266-01. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

### Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
- OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

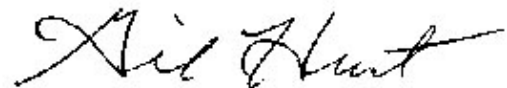
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-942-0871 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



Gil Hunt  
Associate Director, Oil & Gas

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**10/30/2009**

<b>FROM: (Old Operator):</b> N3520-Harvest (US) Holdings, Inc. 1177 Enclave Pkwy, Suite 300 Houston, TX 77077 Phone: 1 (281) 899-5704	<b>TO: ( New Operator):</b> N2695-Newfield Production Company 1001 17th St, Suite 2000 Denver, CO 80202 Phone: 1 (303) 893-0102
---	---

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
Moon 2-20-4-2	20	040S	020W	4301350001		Fee	OW	APD	C
Moon 4-20-4-2	20	040S	020W	4301350002		Fee	OW	APD	C
Moon 2-29-4-2	29	040S	020W	4301350003		Fee	OW	APD	C
Moon 4-29-4-2	29	040S	020W	4301350004		Fee	OW	APD	C
Moon 3-29-4-2	29	040S	020W	4301350005		Fee	OW	APD	C
Moon 1-29-4-2	29	040S	020W	4301350006	99999	Fee	OW	DRL	C
Moon 3-20-4-2	20	040S	020W	4301350007		Fee	OW	APD	C
Moon 1-20-4-2	20	040S	020W	4301350008		Fee	OW	APD	C

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on 11/2/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/2/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/9/2007
- a. Is the new operator registered in the State of Utah: yes Business Number: 755627-0143
- b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete or: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 11/5/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/5/2009
- Bond information entered in RBDMS on: 11/5/2009
- Fee/State wells attached to bond in RBDMS on: 11/5/2009
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: 11/5/2009

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number B001834
- b. The **FORMER** operator has requested a release of liability from their bond ( n/a )  
 The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/10/2009

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Newfield Production Company N2695		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 17th St. Suite 2000 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 806 FSL 471 FWL		8. WELL NAME and NUMBER: Moon 1-20-4-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 20 4S 2W S		9. API NUMBER: 4301350008
COUNTY: Duchesne		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of Operator
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change of Operator from Harvest (US) Holdings, Inc to Newfield Production Company (WYB000493) B001834  
ER

Harvest (US) Holdings, Inc. N3520  
Patrick R. Oenbring  
Printed Name: Patrick R. Oenbring  
Title: VP-Western Operations

Date: 10/28/09

NAME (PLEASE PRINT) Kelly Donohoue	TITLE Newfield Production Company, Land Lead
SIGNATURE <u>Kelly Donohoue</u>	DATE 10/30/09

(This space for State use only)

APPROVED 11/05/2009  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

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DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	Moon 1-20-4-2
<b>API number:</b>	4301350008
<b>Location:</b>	Qtr-Qtr: SWSW    Section: 20    Township: 4S    Range: 2W
<b>Company that filed original application:</b>	Harvest (US) Holdings, Inc
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Harvest (US) Holdings, Inc

Check one	Desired Action:
<input checked="" type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b> The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b> The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?		<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>B004657-1834</u>	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Kelly Donohoue Title Newfield Production Company, Land Lead  
Signature Kelly Donohoue Date 10/30/09  
Representing (company name) Newfield Production Company

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

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DIV OF OIL, GAS & MINING



Spud **CONFIDENTIAL**

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig # 29

Submitted By Xabier Lasa Phone Number 435-823-6014

Well Name/Number Moon 1-20-4-2

Qtr/Qtr SW/SW Section 20 Township 4S Range 2W

Lease Serial Number Fee

API Number 43-013-500080000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11-7-09 12:00  
AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11-8-09 12:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Spud With Ross Rig #29 @12:00 pm On 11/7/09 Run 8  
5/8" Casing @ 12:00 pm on 11/8/09.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO. ✓	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12419	43-013-33940	Ashley K-15-9-15	SENE	15	9S	15E	DUCHESNE	11/06/09	11/18/09
WELL 1 COMMENTS: <b>GRRU</b> <b>BHL = SENE</b>											
A	99999	17398	43-013-50008	Moon 1-20-4-2W	NESE	20	4S	2W	DUCHESNE	11/7/09	11/18/09
WELL 2 COMMENTS: <b>GRRU</b> <b>SWSW</b> <b>CONFIDENTIAL</b>											
A	99999	17399	43-013-50006	Moon 1-29-4-2W	NESE	29	4S	2W	DUCHESNE	11/04/09	11/18/09
WELL 3 COMMENTS: <b>GRRU</b> <b>SWNW</b> <b>CONFIDENTIAL</b>											
A	99999	17401	43-047-38403	Gusher Federal 5-13-6-20	SWNW	13	6S	20E	UINTAH	10/30/09	11/18/09
WELL 4 COMMENTS: <b>WSTC</b>											
A	99999	17402	43-047-38999	Federal 2-14-6-20	NWNE	14	6S	20E	UINTAH	11/03/09	11/18/09
WELL 5 COMMENTS: <b>GRRU</b>											
B	99999	12021	43-047-40245	<b>Pariette</b> Federal T-34-8-18	NESE	34	8S	18E	UINTAH	11/03/09	11/18/09
WELL 6 COMMENTS: <b>GRRU</b> <b>BHL = NESE</b>											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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NOV 12 2009

DIV. OF OIL, GAS & MINING

*Kim Swasey*  
Signature  
Kim Swasey  
Production Analyst  
11/12/2009  
Title

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SWSW Section 20 T4S R2W

5. Lease Serial No.

UTE TRIBE EDA 20G0005609

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

MOON 1-20-4-2

9. API Well No.

4301350008

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11-7-09 MIRU ROSS spud rig #29. Drill 630' of 12 1/4" hole with air mist. TIH W/14 Jt's 8 5/8" J-55 24# csgn. Set @ 627.11.  
On 11-10-09 Cement with 315 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 11 bbls cement to pit.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Xabier Lasa

Title

Drilling Foreman

Signature

Date

11/10/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**NOV 18 2009**

**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 627.11

LAST CASING 8 5/8" SET AT 627.11  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 TD DRILLER 630 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company  
 WELL MOON 1-20-4-2  
 FIELD/PROSPECT \_\_\_\_\_  
 CONTRACTOR & RIG # Ross # 29

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1	8 5/8"	Guide shoe					A	0.9
14	8 5/8"	Casing ( shoe jt. 44.00')		24	J-55	STC	A	615.26
1	8 5/8"	whi 92					A	0.95
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				617.11
TOTAL LENGTH OF STRING		617.11	14	LESS CUT OFF PIECE				2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH				<b>627.11</b>
TOTAL		615.26	14	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		615.26	14					
TIMING								
BEGIN RUN CSG.	Spud	12:00 PM	11/7/2009	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		4:00 PM	11/8/2009	Bbls CMT CIRC TO SURFACE				11
BEGIN CIRC		1:32 PM	11/9/2009	RECIPROCATED PIPE				No
BEGIN PUMP CMT		1:54 PM	11/9/2009					
BEGIN DSPL. CMT		2:14 PM	11/9/2009	BUMPED PLUG TO				240
PLUG DOWN		2:29 PM	11/9/2009					

COMPANY REPRESENTATIVE **Xabier Lasa** DATE **11/9/2009**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTE TRIBE EDA 20G0005609
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: MOON 1-20-4-2
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 20, T4S, R2W		9. API NUMBER: 4301350008
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 11/28/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 11/18/09 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 583'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6785". Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 162 jt's of 5.5 J-55, 15.5# csgn. Set @ 6777.75' / KB. Cement with 285 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 34 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 110,000 #'s tension. Release rig @ 12:00 PM on 11/26/09.

NAME (PLEASE PRINT) Jim Smith TITLE Drilling Foreman  
SIGNATURE [Signature] DATE 11/28/2009

(This space for State use only)

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DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6777.75

LAST CASING 8 5/8" SET AT 627.11  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 TD DRILLER 6785 LOGG 6767  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Exploration Company  
 WELL MOON 1-20-4-2  
 FIELD/PROSPECT MB  
 CONTRACTOR & RIG # NDSI # 1

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1	5 1/2"	Guide shoe				LTC	A	0.6
1	5 1/2"	Float collar				LTC	A	0.65
1	5 1/2"	Landing jt		15.5	J-55	LTC	A	14
1	5 1/2"	Shoe jt		15.5	J-55	LTC	A	42.11
161	5 1/2"	csg		15.5	J-55	LTC	A	6722.39
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				6779.75
TOTAL LENGTH OF STRING		6779.75		LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		83.76	2	CASING SET DEPTH				6,777.75
TOTAL		6848.26	2	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6848.26	164					
TIMING								
BEGIN RUN CSG.	Spud	12:30 AM	11/26/2009	GOOD CIRC THRU JOB				Yes
CSG. IN HOLE		4:00 AM	11/26/2009	Bbls CMT CIRC TO SURFACE				25
BEGIN CIRC		4:15 AM	11/26/2009	RECIPROCATED PIPE				Yes
BEGIN PUMP CMT		6:30 AM	11/26/2009	BUMPED PLUG TO				2672
BEGIN DSPL. CMT		7:19 AM	11/26/2009					
PLUG DOWN		7:43 AM	11/26/2009					

**6,777.75**



[illegible]

COMPANY REPRESENTATIVE

**Jim Smith**

DATE 11/26/2009

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTE TRIBE EDA 20G0005609
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: MOON 1-20-4-2
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 20, T4S, R2W		9. API NUMBER: 4301350008
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  12/18/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 12-18-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE  DATE 12/22/2009

(This space for State use only)

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DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****MOON 1-20-4-2****10/1/2009 To 2/28/2010****12/7/2009 Day: 1****Completion**

Rigless on 12/7/2009 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6674' cement top @ 28'. Perforate stage #1. BSL sds @ 6583-86' & CP5 sds @ 6556-60' & 6529-32' w/ 3 1/8" port plug guns (11 gram, .36" EH, 120°, 16.82" pen, PPG-3111-301 Titan) w/ 3 spf for total of 30 shots. 160 BWTR. SWIFN.

**Daily Cost: \$0****Cumulative Cost: \$12,121****12/10/2009 Day: 2****Completion**

Rigless on 12/10/2009 - RU BJ Services & Perforators LLC. Frac & perforate 4 stages. Flowback well. - Stage #2 LODC sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite solid frac plug, 3', 4', 4', 2', 7' & 5' perf guns. Set plug @ 6040'. Perforate LODC sds @ 5965- 68', 5950- 54', 5928- 32', 5908- 10', 5876- 83', 5855- 60' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 75 shots (2 runs). RU BJ Services. 950 psi on well. Broke @ 2747 psi. Pumped 2000 gals of 15% HCL, Dropped 200 - 7/8" bioballs. ISIP 1920 psi, FG .76. 5 min 1625 psi, 10 min 1504 psi, 15 min 1380 psi. Shut in well for 30 mins. Surge balls off, Wait 10 minutes. Frac LODC sds w/ 204,897#'s of 20/40 sand in 1699 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2818 psi w/ ave rate of 48 BPM. ISIP 2841 psi. FG @ .91. 5 min 2650 psi, 10 min 2434 psi, 15 min 2275 psi. Leave pressure on well. 2342 BWTR. - Stage #3 A1, A.5, B.5 sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 4', 3' & 2' perf guns. Set plug @ 5815'. Perforate A1 sds @ 5770- 74', A.5 sds @ 5745- 48', B.5 sds @ 5535- 37' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 27 shots. RU BJ Services. 1690 psi on well. Broke @ 2412 psi. ISIP 1797 psi, FG .75. No 1 min or 4 min due to low psi. Frac A1, A.5, B.5 sds w/ 13,955#'s of 20/40 sand in 303 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3561 psi w/ ave rate of 18 BPM, Due to pressures & rate, Do not believe all zone were open. ISIP 2171 psi. FG @ .82. 5 min 2028 psi, 10 min 1944 psi, 15 min 1909 psi. Leave pressure on well. 2645 BWTR. - Stage #1 BSL, CP5 sands. RU BJ Services. 65 psi on well. Broke @ 2995 psi. ISIP @ 2377 psi, 1 min 2317 psi, 4 min @ 2192 psi, 10 min 2110 psi, 15 min 2058 psi. FG @ .80. Frac BSL & CP5 sds w/ 30,106#'s of 20/40 sand in 483 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3274 psi w/ ave rate of 34 BPM. ISIP 2802 psi, 5 min @ 2387 psi, 10 min @ 2319 psi, 15 min @ 2276 psi. FG @ .86. Leave pressure on well. 643 BWTR. - Stage #4 D1 sands, RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 4' & 3' perf guns. Set plug @ 5370'. Perforate D1 sds @ 5302- 06', 5296- 99' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 21 shots. RU BJ Services. 1635 psi on well. Broke @ 3918 psi. No ISIP, 1 min or 4 min due to low psi. Frac D1 sds w/ 25,609#'s of 20/40 sand in 400 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2452 psi w/ ave rate of 25.6 BPM. ISIP 2096 psi. FG @ .83. 5 min 2050 psi, 10 min 1957 psi, 15 min 1916 psi. Begin flowback on 20/64 choke @ 3 BPM, Flowed for 6 hrs & died. Rec est 1080 BTF. SIWFN w/ 1965 BWTR.

**Daily Cost: \$0****Cumulative Cost: \$114,298****RECEIVED****DEC 26 2009**

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**12/15/2009 Day: 3****Completion**

WWS #3 on 12/15/2009 - 800 psi on well. RU WL & set kill plug @ 5240'. Talley, PU & RIH w/ 4 3/4" bit, bit sub & 2 7/8" J-55 tbg. D/U kill plug. Circulate oil & gas out of well. SIWFN w/ 1755 BWTR. - 800 psi on well. RU PSI WL, Crane & lubricator. RIH w/ Weatherford 5 1/2" solid composite plug. Set plug @5240'. Bleed off pressure. RD WL. MIRU WWS#3. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 2 7/8" J-55 tbg. Tagged kill plug @ 5240'. Took 1hr 40 mins to start 4 star power swivel. RU swivel. Drill out kill plug. Circulate oil & gas out of well. SIWFN w/ 1755 BWTR

**Daily Cost:** \$0

**Cumulative Cost:** \$158,526

**12/16/2009 Day: 4****Completion**

WWS #3 on 12/16/2009 - D/U CBP. C/O to PBTD. Made 1 swab run. Well started flowing. Flowed for 20 mins. SIWFN w/ 1713 BWTR. - Hot oiler steamed & thawed out WH & BOP. 350 psi on tbg, 400 psi on csg. Bleed off pressure. Circulate oil & gas out. Continue TIH w/ tbg. Tagged plug @ 5370' (Drilled up in 35 mins). Tagged plug @ 5815' (Drilled up in 30 mins). Tagged fill @ 5835', C/O to solid plug @ 6040' (Drilled up in 40 mins). Tagged fill @ 6588'. C/O to PBTD @ 6734'. Circulate well for 2 hrs to clean up. RD 4-star power swivel. LD 3- jts tbg. EOT @ 6636'. RU swab equipment. Made 1 swab run. Well started flowing. Flowed for 20 mins. Rec 30 bbls of fluid. SIWFN w/ 1713 BWTR. - Hot oiler steamed & thawed out WH & BOP. 350 psi on tbg, 400 psi on csg. Bleed off pressure. Circulate oil & gas out. Continue TIH w/ tbg. Tagged plug @ 5370' (Drilled up in 35 mins). Tagged plug @ 5815' (Drilled up in 30 mins). Tagged fill @ 5835', C/O to solid plug @ 6040' (Drilled up in 40 mins). Tagged fill @ 6588'. C/O to PBTD @ 6734'. Circulate well for 2 hrs to clean up. RD 4-star power swivel. LD 3- jts tbg. EOT @ 6636'. RU swab equipment. Made 1 swab run. Well started flowing. Flowed for 20 mins. Rec 30 bbls of fluid. SIWFN w/ 1713 BWTR. - Hot oiler steamed & thawed out WH & BOP. 530 psi on tbg, 450 psi on csg. Flowline was froze up, Tried to thaw out flowline with no success. Flowback well to 400 bbls upright. Flowed back 70 BTF in 35 mins. Pumped 20 bbls of 10# brine down tbg. TIH w/ tbg. Tagged fill 6725', C/O to PBTD @ 6734'. Circulate well clean w/ 190 bbls of 10# brine water. LD extra tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2-jts, SN, 2- jts, TA, 200- jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 1543 BWTR. - Hot oiler steamed & thawed out WH & BOP. 530 psi on tbg, 450 psi on csg. Flowline was froze up, Tried to thaw out flowline with no success. Flowback well to 400 bbls upright. Flowed back 70 BTF in 35 mins. Pumped 20 bbls of 10# brine down tbg. TIH w/ tbg. Tagged fill 6725', C/O to PBTD @ 6734'. Circulate well clean w/ 190 bbls of 10# brine water. LD extra tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2-jts, SN, 2- jts, TA, 200- jts of tbg. ND BOP. Set TA w/ 18,000#'s of tension. NU WH. SIWFN w/ 1543 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$164,408

**12/18/2009 Day: 6****Completion**

WWS #3 on 12/18/2009 - Flush tbg w/ 60 BW. PU & RIH w/ "A" grade rod string. Space out rods, Hang head. Pressure test to 800 psi. PWOP w/ 122" SL @ 5 SPM. 1523 BWTR. FINAL REPORT!!!! - Hot oil steamed & thawed out WH & tbg. 350 psi on csg, 90 psi on tbg. Bleed off pressure. Flush tbg w/ 60 bbls of wtr. PU & RIH w/ "A" grade rod string as follows. "Central hydraulic" 2 1/2" X 1 1/2" X 21' X 24' RHAC, 6- 1 1/2" wt bars, 20- 3/4" guided rods, 136- 3/4" plain rods, 101- 7/8" guided rods, 1-2' X 7/8" pony rod, 1 1/2" X 30' polish rod. Hang head, Space out rods. Pressure test w/ unit to 800 psi. RDMOSU. PWOP @ 3:30 PM w/ 122" SL @ 5 SPM. 1523 BWTR. FINAL REPORT!!!! **Finalized**

**Daily Cost:** \$0

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**Cumulative Cost:** \$215,687

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**Pertinent Files: Go to File List**

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DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 1b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. <b>MON BUTTE EDA 20G0005609</b>			
2. Name of Operator <b>NEWFIELD EXPLORATION COMPANY</b>						6. If Indian, Allottee or Tribe Name  			
3. Address <b>1401 17TH ST. SUITE 1000 DENVER, CO 80202</b>				3a. Phone No. (include area code) <b>(435)646-3721</b>		7. Unit or CA Agreement Name and No.  			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>806' FSL &amp; 471' FWL (SW/SW) SEC. 20, T4S, R2W</b>  At top prod. interval reported below  At total depth <b>6785'</b>						8. Lease Name and Well No. <b>MOON 1-20-4-2</b>			
14. Date Spudded <b>11/07/2009</b>						15. Date T.D. Reached <b>11/26/2009</b>			
16. Date Completed <b>12/17/2009</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						9. AFI Well No. <b>43-013-50008</b>			
18. Total Depth: MD <b>6785'</b> TVD						19. Plug Back T.D.: MD <b>6734'</b> TVD			
20. Depth Bridge Plug Set: MD TVD						17. Elevations (DF, RKB, RT, GL)* <b>5453' GL 5465' KB</b>			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND</b>						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	627'		315 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6778'		285 PRIMLITE		28'	
						402 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6641'	TA @ 6507'							
25. Producing Intervals									
Formation		Top	Bottom	26. Perforation Record					
				Perforated Interval		Size	No. Holes	Perf. Status	
A) See Below				See Below					
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
See Below		See Below							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/18/09	12/30/09	24	→	185	0	65			2-1/2" x 1-1/2" x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL FOR LOCATION

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4230' 4460'
				GARDEN GULCH 2 POINT 3	4584' 4881'
				X MRKR Y MRKR	5119' 5147'
				DOUGALS CREEK MRK BI CARBONATE MRK	5260' 5516'
				B LIMESTON MRK CASTLE PEAK	5651' 6219'
				BASAL CARBONATE WASATCH	6622' 6757'

## 32. Additional remarks (include plugging procedure):

Stage 1: Green River Formation (BSL-SD & CP5) 6583-6586, 6529-6560' .36" 3/30 Frac w/ 30106#'s of 20/40 sand in 249 bbls of Lightning 17 fluid

Stage 2: Green River Formation (LODC) 5855-5968' .36" 3/75 Frac w/ 204897#'s of 20/40 sand in 1285 bbls of Lightning 17 fluid

Stage 3: Green River Formation (A.5, A1, & B.5) 5745-48', 5770-74', 5535-37' .36" 3/27 Frac w/ 13955#'s of 20/40 sand in 133 bbls of Lightning 17 fluid

Stage 4: Green River Formation (D1) 5296-5306' .36" 3/21 Frac w/ 25609#'s of 20/40 sand in 237 bbls of Lightning 17 fluid

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature

Date 01/06/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

OTR/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW, 20, T4S, R2W

5. LEASE DESIGNATION AND SERIAL NUMBER:

FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

MOON 1-20-4-2

9. API NUMBER:

4301350008

10. FIELD AND POOL, OR WILDCAT:

MYTON-TRIBAL BDA

COUNTY: DUCHESNE

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will

07/22/2010

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of Work Completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMBINE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☒ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: -

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As requested by the State, attached is a list of wells that are venting/flaring along with the respected volumes. The attachment details the date that each well commenced venting/flaring and the total volume through 06/30/10. Newfield is going to install two new gas compressors at the Pleasant Valley compressor station to process the additional gas. A permit has been filed to the Utah DEQ and is pending approval. The Moon wells are broken down by entity and to the central tank battery that they produce to. If you have any questions or concerns please contact Jentri Park @ 435-646-4843. Thanks

COPY SENT TO OPERATOR

Date: 8.5.2010

Initials: JKS

NAME (PLEASE PRINT) Jentri Park

TITLE Production Accounting Tech

SIGNATURE

DATE 07/26/2010

(This space for State use only)

REQUEST DENIED  
Utah Division of  
Oil, Gas and Mining

Date: 7/29/2010

By: [Signature]

\* Extended Flaring/Venting Should be approved by the Board as required by R649-3-20-5

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JUL 26 2010

DIV. OF OIL, GAS & MINING

Well Information						Gas Data			Venting Information					
Well	CTB	Run	Jurisdiction	API	Lease Number	Total Vented (MSCF)	Fuel (MSCFD)	Sales Line	POP	Start	End	Still Venting	Total (days)	Comment
A Run														
Moon 1-20-4-2	Moon 1-20-4-2 CTB	A	State	4301350008	Fee	2,875	N/A	Yes	12/17/2009	5/1/2010	6/30/2010	Yes	60	Waiting on Utah DEQ air permit
Moon 2-20-4-2	Moon 1-20-4-2 CTB	A	State	4301350001	Fee	14,374	N/A	Yes	2/19/2010	5/1/2010	6/30/2010	Yes	60	Waiting on Utah DEQ air permit
Moon 3-20-4-2	Moon 1-20-4-2 CTB	A	State	4301350007	Fee	719	N/A	Yes	1/14/2010	5/1/2010	6/30/2010	Yes	60	Waiting on Utah DEQ air permit
Moon 4-20-4-2	Moon 1-20-4-2 CTB	A	State	4301350008	Fee	17,968	N/A	Yes	5/13/2010	5/1/2010	6/30/2010	Yes	60	Waiting on Utah DEQ air permit
Moon 1-29-4-2	Moon 1-29-4-2 CTB	A	State	4301350006	Fee	37,329	N/A	Yes	12/11/2009	4/1/2010	6/30/2010	Yes	90	Waiting on Utah DEQ air permit
Moon 2-29-4-2	Moon 1-29-4-2 CTB	A	State	4301350003	Fee	18,665	N/A	Yes	6/21/2010	4/1/2010	6/30/2010	Yes	90	Waiting on Utah DEQ air permit
Moon 3a-29-4-2	Moon 1-29-4-2 CTB	A	State	4301350185	Fee	74,658	N/A	Yes	1/16/2010	4/1/2010	6/30/2010	Yes	90	Waiting on Utah DEQ air permit
Moon 4-29-4-2	Moon 1-29-4-2 CTB	A	State	4301350004	Fee	55,994	N/A	Yes	2/15/2010	4/1/2010	6/30/2010	Yes	90	Waiting on Utah DEQ air permit



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 28, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0440

43 013 50008  
Moon 1-20-4-2  
20 45 2W

Mr. Kirby Carroll  
Newfield Production Company  
1001 17<sup>th</sup> Street, STE 2000  
Denver, CO 80202

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Carroll:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.

Page 2  
Newfield Production Company  
November 28, 2016

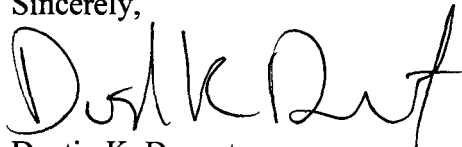
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

**All Submittals should be sent via ePermit**

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/DD/js

cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years.Months Inactive
1	GMBU 2-16-9-18H	43-047-52013	ML-48378	4.4
2	Gulf State 36-13	43-047-31345	ML-22057	9.2
3	Moon 3-20-4-2	43-013-50007	Fee	3.5
4	S Mon Butte ST P-2-9-16	43-013-50118	ML-21839	3.6
5	State 3-16-9-18	43-047-35813	ML-48378	3.5
6	Wells Draw ST 7-36	43-013-30934	ML-21835	3.4
7	Prewitt 10-24	43-013-31865	Fee	3.2
8	W Draw ST N-32-8-16	43-013-34146	ML-45555	2.4
9	Wells Draw 2-32-8-16	43-013-32220	ML-21836	2.3
10	GMBU N-2-9-15	43-013-50910	ML-43538	2.2
11	GMBU M-2-9-15	43-013-50909	ML-43538	2.1
12	Moon 1-29-4-2	43-013-50006	Fee	2.0
→ 13	Moon 1-20-4-2	43-013-50008	Fee	2.0
14	State 1-36-8-15	43-013-34234	ML-21835	2.5
15	Ashley ST 6-2-9-15	43-013-32584	ML-43538	1.10
16	Allen Trust 2-24	43-013-31944	Fee	1.9
17	Lamb 4-34-4-1E	43-047-40272	Fee	1.5
18	Wells Draw 4-32-8-16	43-013-32222	ML-21836	1.8
19	Greater Mon Butte T-36-8-16	43-013-50211	ML-22061	1.8
20	Williams #14-8-4-2	43-013-50617	Fee	1.8
21	Hancock 11-21-4-1	43-013-33242	Fee	1.5
22	Malnar 9-19-4-1	43-013-33913	Fee	1.2
23	Hancock 16-20-4-1	43-013-33914	Fee	1.0
24	State 12-36-8-15	43-013-34224	ML-21835	2.1
25	State 4-36-8-15	43-013-34231	ML-21835	1.4
26	Roberts 4-19-4-1	43-013-50072	Fee	1.1
27	Mon Butte East K-36-8-16	43-013-50112	ML-22061	1.1
28	S Mon Butte ST N-2-9-16	43-013-50117	ML-21839	1.4
29	Wilcken 16-23-4-2	43-013-50304	Fee	1.0
30	Hancock 12-7-4-1W	43-013-50422	Fee	1.3
31	State 1-16-9-18	43-047-35811	ML-48378	1.6
32	Lamb 1-34-4-1E	43-047-40275	Fee	1.1



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 14, 2016

CERTIFIED MAIL NO.: 7015 0640 0003 5276 0525

Ms. Assiya Bekniyazova  
Newfield Production Company  
4 Waterway Square PL, STE 100  
The Woodlands, TX 77380

43 013 50008  
MOON 1-20-4-2  
20 45 2W

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Bekniyazova:

As of August 2016, Newfield has thirty-two (32) State and Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas and Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2  
Newfield  
December 14, 2016

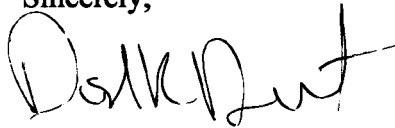
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

**All Submittals should be sent via ePermit**

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/DD/js

cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years.Months Inactive
1	GMBU 2-16-9-18H	43-047-52013	ML-48378	4.4
2	Gulf State 36-13	43-047-31345	ML-22057	9.2
3	Moon 3-20-4-2	43-013-50007	Fee	3.5
4	S Mon Butte ST P-2-9-16	43-013-50118	ML-21839	3.6
5	State 3-16-9-18	43-047-35813	ML-48378	3.5
6	Wells Draw ST 7-36	43-013-30934	ML-21835	3.4
7	Prewitt 10-24	43-013-31865	Fee	3.2
8	W Draw ST N-32-8-16	43-013-34146	ML-45555	2.4
9	Wells Draw 2-32-8-16	43-013-32220	ML-21836	2.3
10	GMBU N-2-9-15	43-013-50910	ML-43538	2.2
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